

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-2S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-2S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

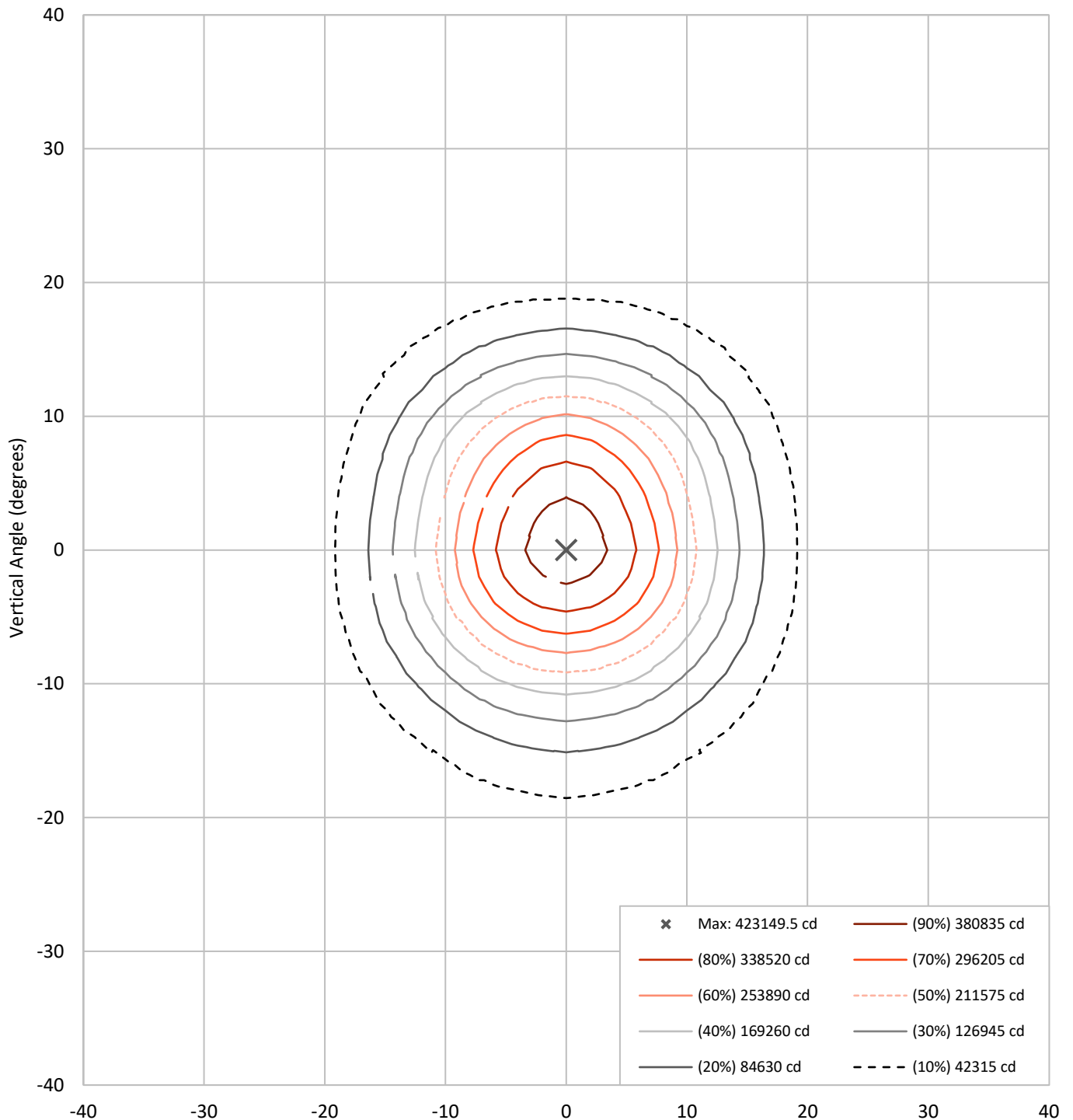
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	68423.7 lumens	Max Intensity:	423149.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	121.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	31772.9 lumens	Field Lumens:	57843.8 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%

Input Watts (W): 561.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

Iso-Candela Plot





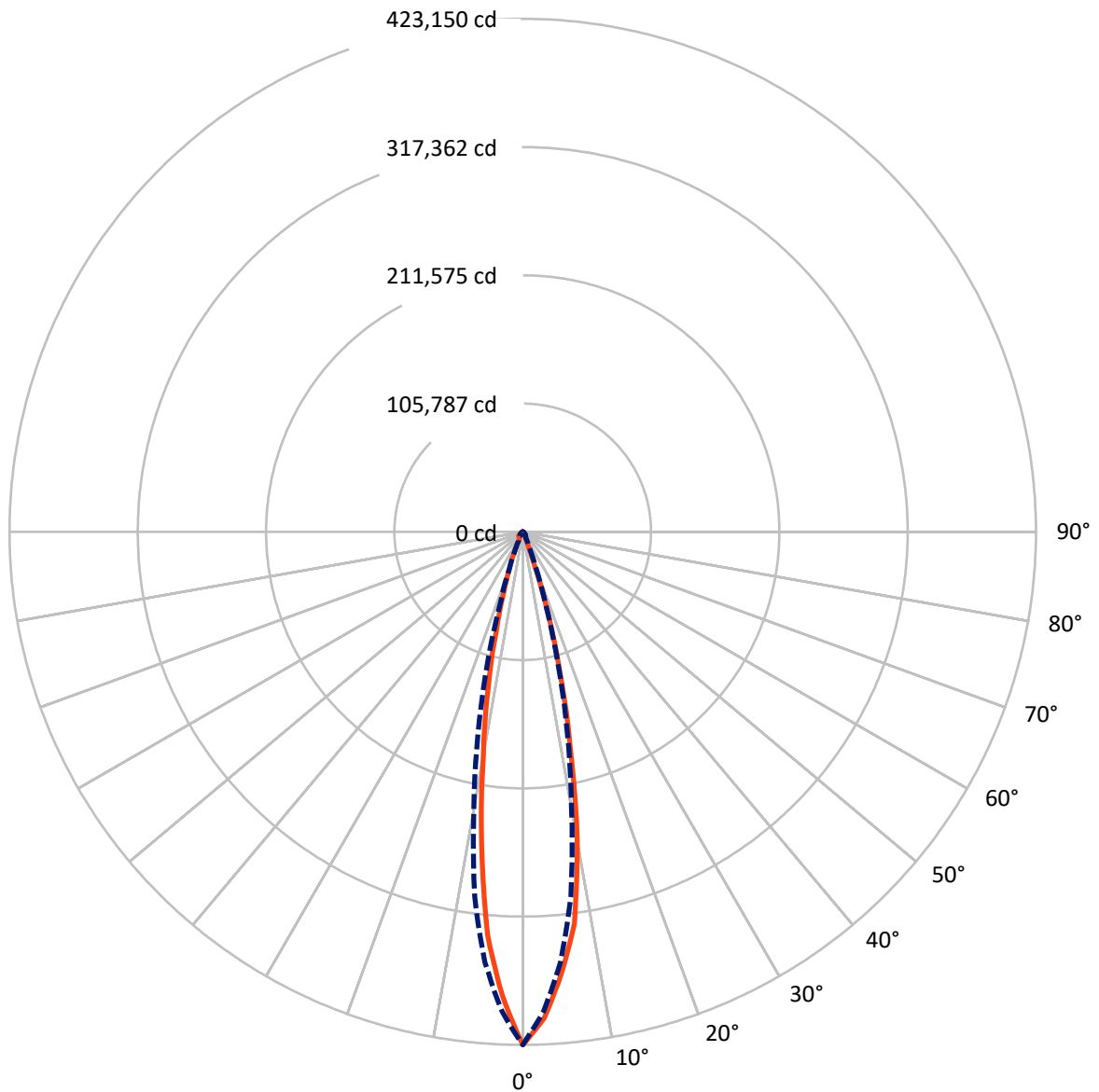
REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

Lumen Table

90	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.1								
80	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.1								
70	0.1	0.1	0.2	0.6	0.7	0.4	0.2	0.2	0.2	0.2	0.4	0.7	0.6	0.2	0.1	0.1			
60		0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.1				
50	0.2	0.2	0.4	0.4	0.5	0.9	1.6	1.0	1.0	1.6	0.9	0.5	0.4	0.4	0.2	0.2			
40		0.3	0.9	2.4	4.5	6.6	9.1	11.0	11.0	9.1	6.6	4.5	2.4	0.9	0.3				
30	0.2	0.5	4.4	13.8	32.7	49.7	86.0	163.0	163.0	86.0	49.7	32.7	13.8	4.4	0.5	0.2			
20		1.3	9.2	36.6	83.8	156.7	1023.7	3172.2	3172.2	1023.7	156.7	83.8	36.6	9.2	1.3				
10	0.3	2.0	11.9	49.1	99.6	314.0	3008.8	9017.6	9017.6	3008.8	314.0	99.6	49.1	11.9	2.0	0.3			
0		2.5	12.8	49.2	99.3	299.3	2829.8	8201.3	8201.3	2829.8	299.3	99.3	49.2	12.8	2.5				
-10	0.5	2.9	12.2	39.4	84.0	145.6	832.4	2410.5	2410.5	832.4	145.6	84.0	39.4	12.2	2.9	0.5			
-20		3.0	11.5	28.0	75.3	112.3	170.7	330.0	330.0	170.7	112.3	75.3	28.0	11.5	3.0				
-30	0.5	2.6	9.9	21.0	52.5	109.1	141.7	158.4	158.4	141.7	109.1	52.5	21.0	9.9	2.6	0.5			
-40		1.9	7.4	17.3	31.0	52.6	89.9	119.8	119.8	89.9	52.6	31.0	17.3	7.4	1.9				
-50	0.3	0.9	4.4	11.4	22.1	33.5	43.6	49.3	49.3	43.6	33.5	22.1	11.4	4.4	0.9	0.3			
-60		0.4	1.5	4.7	9.7	15.6	21.4	24.8	24.8	21.4	15.6	9.7	4.7	1.5	0.4				
-70	0.2	1.1	3.3	7.7	10.3	7.7	3.3	1.1	0.2							0.2			
-80		1.1	3.3	7.7	10.3	7.7	3.3	1.1	0.2										
-90	0.2	1.1	3.3	7.7	10.3	7.7	3.3	1.1	0.2							0.2			

REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

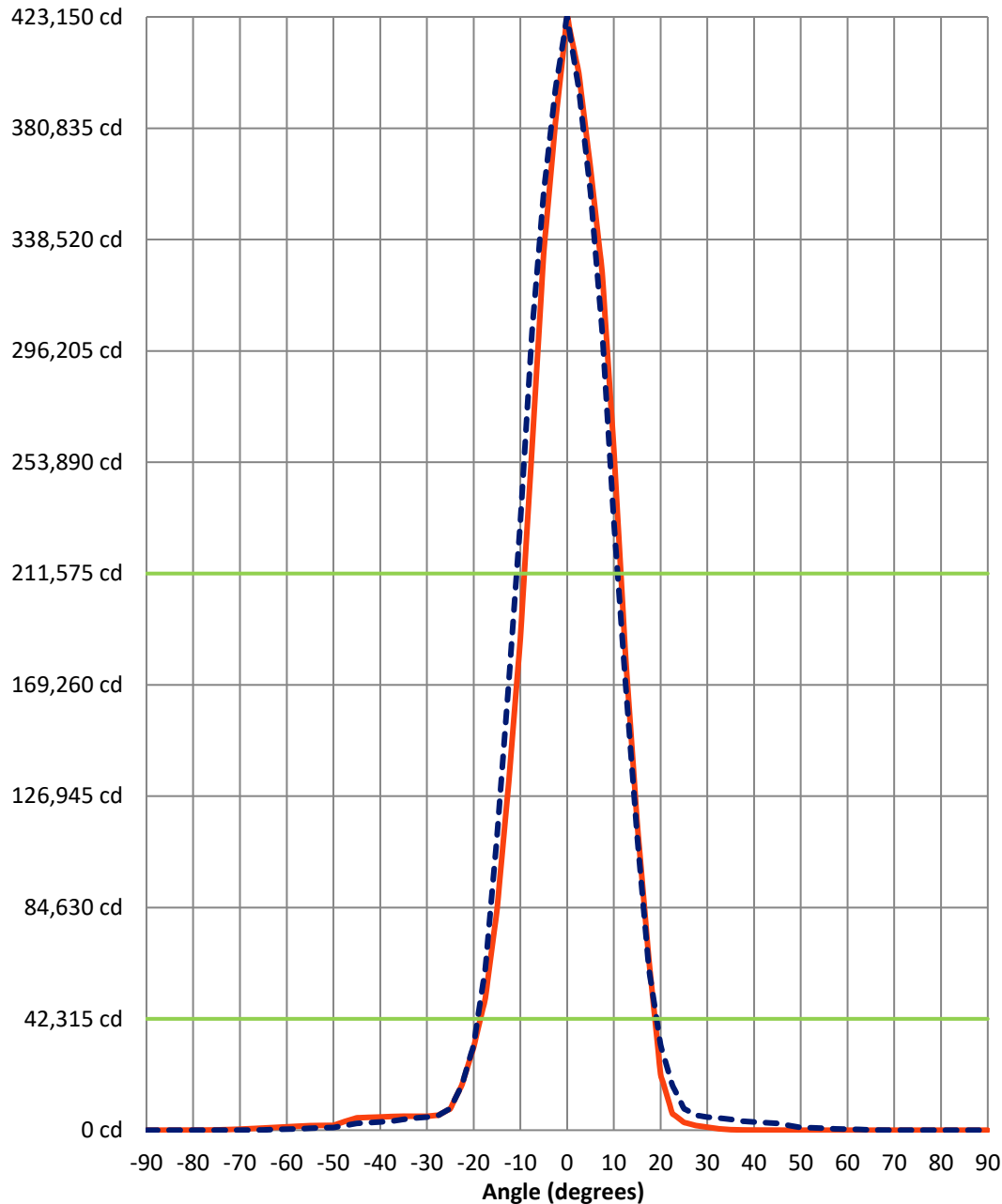
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

Luminous Intensity Plot



Beam:
 H Angle: 21.6°
 V Angle: 20.7°
 Lumens: 31772.9
 Efficiency: 46.4%

Field:
 H Angle: 38.3°
 V Angle: 37.3°
 Lumens: 57843.8
 Efficiency: 84.5%

Spill:
 Lumens: 10579.9
 Efficiency: 15.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.0	5.9	6.7	7.1	7.6	8.0	8.4	8.8	9.3	9.7	10.1
87.5°	5.0	5.0	5.0	4.7	4.3	4.1	3.8	3.8	3.7	3.6	3.4
85°	5.0	5.1	5.0	4.7	4.5	4.3	4.2	4.1	4.0	3.7	3.4
82.5°	5.0	5.1	5.0	4.8	4.6	4.6	4.6	4.5	4.2	4.0	3.8
80°	5.0	5.1	5.0	4.8	4.8	4.8	5.0	4.7	4.5	4.5	4.5
77.5°	5.0	5.2	5.0	4.9	4.9	5.0	5.0	4.8	4.8	4.9	5.0
75°	5.0	5.2	5.0	4.9	5.0	5.1	5.0	4.9	5.0	5.0	5.0
72.5°	5.0	5.3	5.0	5.0	5.2	5.3	5.1	5.0	5.0	5.0	5.0
70°	5.0	5.3	5.1	5.0	5.3	5.4	5.1	5.0	5.0	5.0	5.1
67.5°	5.0	5.3	5.1	5.2	5.5	5.5	5.2	5.0	5.0	5.3	5.2
65°	5.0	5.4	5.1	5.4	5.7	5.6	5.2	5.0	5.4	5.5	5.4
62.5°	5.0	5.4	5.2	5.5	5.9	5.7	5.3	5.3	5.8	5.8	5.4
60°	5.0	5.5	5.2	5.7	6.1	5.7	5.3	5.8	6.2	5.9	5.5
57.5°	5.0	5.5	5.4	5.9	6.1	5.7	5.7	6.2	6.3	6.0	6.0
55°	5.0	5.6	5.5	6.1	6.2	5.8	6.2	6.7	6.4	6.2	6.7
52.5°	5.0	5.6	5.6	6.3	6.2	5.9	6.6	6.9	6.5	6.8	7.4
50°	5.0	5.7	5.8	6.5	6.2	6.2	7.0	6.9	6.7	7.4	9.1
47.5°	5.0	5.7	5.9	6.6	6.3	6.6	7.4	7.0	7.3	8.1	10.7
45°	5.0	5.8	6.0	6.6	6.3	6.9	7.4	7.1	7.9	9.2	12.1
42.5°	5.0	5.8	6.1	6.7	6.4	7.2	7.5	7.5	8.5	10.2	13.9
40°	5.0	5.9	6.2	6.7	6.5	7.6	7.6	8.0	9.3	11.1	15.7
37.5°	5.0	5.9	6.3	6.8	6.8	7.9	7.7	8.6	10.2	12.5	17.4
35°	5.0	6.0	6.3	6.8	7.0	8.0	7.8	9.2	11.2	14.5	18.9
32.5°	5.0	6.0	6.4	6.9	7.3	8.1	8.0	9.9	12.1	16.5	21.0
30°	5.0	6.1	6.5	7.0	7.5	8.2	8.5	10.5	12.9	18.6	23.2
27.5°	5.0	6.2	6.5	7.0	7.7	8.3	9.0	11.2	14.1	20.7	25.6
25°	5.0	6.2	6.6	7.1	7.9	8.3	9.5	11.9	15.8	22.7	28.1
22.5°	5.0	6.3	6.6	7.3	8.0	8.4	9.9	12.6	17.4	24.7	32.7
20°	5.0	6.3	6.6	7.4	8.1	8.6	10.4	13.2	19.0	26.7	37.9
17.5°	5.0	6.4	6.7	7.5	8.2	8.7	10.9	13.8	20.6	28.8	43.5
15°	5.0	6.4	6.7	7.6	8.3	8.9	11.4	14.4	22.0	30.8	49.4
12.5°	5.0	6.5	6.7	7.8	8.3	9.1	11.8	14.9	23.3	32.8	55.5
10°	5.0	6.5	6.7	7.9	8.4	9.3	12.2	15.4	24.3	35.3	61.7
7.5°	5.0	6.6	6.7	8.0	8.4	9.5	12.5	15.8	25.2	37.9	67.9
5°	5.0	6.6	6.7	8.2	8.4	9.7	12.9	16.2	25.9	40.5	73.8
2.5°	5.0	6.7	6.7	8.3	8.4	9.9	13.2	16.5	26.4	43.0	79.1
0°	5.0	6.7	6.7	8.4	8.4	10.1	13.4	16.8	26.8	45.2	83.8
-2.5°	5.0	6.7	6.8	8.5	8.7	10.6	14.7	20.7	34.9	59.6	104.5
-5°	5.0	6.8	6.8	8.6	9.0	11.2	16.0	24.5	42.7	73.3	124.0
-7.5°	5.0	6.8	6.9	8.7	9.3	11.7	17.2	28.0	49.9	86.0	142.0
-10°	5.0	6.8	7.0	8.8	9.5	12.1	18.2	31.1	56.4	97.5	158.3
-12.5°	5.0	6.8	7.1	8.8	9.8	12.5	19.1	33.8	62.0	107.4	172.2
-15°	5.0	6.9	7.1	8.9	10.0	12.9	19.9	35.9	67.4	115.8	183.5
-17.5°	5.0	6.9	7.2	8.9	10.2	13.2	20.4	38.4	72.8	122.8	192.0
-20°	5.0	6.9	7.3	9.0	10.4	13.5	21.1	40.9	76.9	128.3	197.5



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.0	6.9	7.4	9.0	10.6	13.7	21.9	42.3	79.5	132.2	199.9
-25°	5.0	6.9	7.4	9.0	10.7	13.9	22.2	42.7	80.6	134.5	198.8
-27.5°	5.0	6.9	7.5	9.0	10.8	14.0	22.0	42.0	79.9	135.2	200.3
-30°	5.0	6.9	7.6	9.0	10.9	14.1	21.3	40.0	78.7	134.2	199.8
-32.5°	5.0	6.9	7.6	9.0	11.0	14.1	20.1	38.8	76.4	130.9	197.1
-35°	5.0	6.9	7.7	8.9	11.1	14.0	19.6	37.3	72.3	125.1	192.2
-37.5°	5.0	6.9	7.7	8.9	11.2	13.9	19.4	35.0	66.4	116.9	180.3
-40°	5.0	6.8	7.8	8.8	11.2	13.9	19.0	31.8	58.7	108.0	165.7
-42.5°	5.0	6.8	7.9	8.8	11.2	13.9	18.5	27.7	52.6	95.7	148.6
-45°	5.0	6.8	7.9	8.8	11.1	13.9	17.9	24.6	46.9	81.6	129.8
-47.5°	5.0	6.8	8.0	8.7	11.1	13.8	17.1	23.6	40.1	66.1	112.0
-50°	5.0	6.7	8.0	8.8	11.0	13.7	16.8	22.4	31.8	56.6	92.4
-52.5°	5.0	6.7	8.0	8.8	10.8	13.5	16.5	21.0	27.9	46.2	72.1
-55°	5.0	6.7	8.1	8.9	10.7	13.3	16.2	19.6	25.9	35.0	59.1
-57.5°	5.0	6.6	8.1	8.9	10.5	13.0	15.9	19.1	23.6	30.3	45.2
-60°	5.0	6.6	8.2	8.9	10.2	12.6	15.4	18.5	21.5	27.4	34.2
-62.5°	5.0	6.5	8.1	8.9	10.1	12.3	14.9	17.8	20.7	24.3	30.6
-65°	5.0	6.5	8.0	8.9	10.0	11.9	14.3	17.0	19.7	22.7	26.7
-67.5°	5.0	6.4	7.9	8.8	9.9	11.5	13.7	16.1	18.6	21.4	24.4
-70°	5.0	6.4	7.8	8.8	9.7	11.1	13.1	15.2	17.5	20.0	22.7
-72.5°	5.0	6.3	7.6	8.6	9.5	10.7	12.4	14.3	16.3	18.5	20.9
-75°	5.0	6.3	7.5	8.4	9.2	10.3	11.7	13.3	15.0	16.9	19.0
-77.5°	5.0	6.2	7.4	8.2	9.0	9.8	10.9	12.4	13.9	15.5	17.1
-80°	5.0	6.1	7.3	8.0	8.7	9.4	10.2	11.5	12.9	14.2	15.6
-82.5°	5.0	6.1	7.1	7.8	8.4	9.1	9.7	10.7	11.8	13.0	14.2
-85°	5.0	6.0	7.0	7.6	8.1	8.7	9.3	10.1	10.9	11.9	12.9
-87.5°	5.0	5.9	6.8	7.3	7.8	8.3	8.8	9.5	10.1	10.8	11.5
-90°	5.0	5.0	5.0	4.6	4.2	3.8	3.4	3.4	3.4	3.4	3.4



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10.1	10.1	10.1	10.1	10.5	10.9	11.3	11.7	12.1	12.6	13.0
87.5°	3.2	3.0	2.8	2.7	2.5	2.2	2.0	1.7	1.7	1.7	1.7
85°	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.7	1.7	1.7
82.5°	3.9	3.8	3.7	3.4	3.0	2.6	2.2	1.9	2.0	2.0	1.9
80°	4.5	4.3	3.9	3.5	3.2	3.1	3.0	3.1	3.0	2.7	2.5
77.5°	4.7	4.3	3.9	3.5	3.4	3.7	4.0	4.2	4.2	4.0	3.8
75°	4.7	4.3	4.2	4.2	4.4	4.7	5.0	5.0	4.9	4.7	4.7
72.5°	4.8	4.7	4.7	5.0	5.0	5.0	5.0	5.0	6.4	8.3	9.5
70°	4.9	5.0	5.0	5.0	5.0	5.5	7.8	11.2	14.6	16.4	18.1
67.5°	5.0	5.0	5.0	5.2	6.4	9.0	12.8	20.0	27.7	29.6	29.3
65°	5.0	5.0	5.6	6.8	8.2	14.4	22.3	31.4	38.1	37.1	34.7
62.5°	5.0	5.7	6.8	9.3	14.3	21.7	28.8	35.3	41.8	40.6	35.0
60°	5.7	6.6	9.4	14.3	19.8	25.1	31.9	36.1	40.4	41.4	31.6
57.5°	6.5	8.5	13.2	18.3	23.0	26.9	29.5	33.2	34.6	33.7	24.7
55°	7.9	11.3	16.3	21.2	24.5	23.5	25.1	26.3	25.8	23.9	17.5
52.5°	10.2	13.9	18.9	23.0	23.4	21.2	19.8	20.0	18.5	15.7	13.6
50°	12.3	16.5	21.1	23.4	22.4	19.0	15.9	15.3	14.3	12.9	11.7
47.5°	14.5	19.1	22.7	23.9	20.7	17.8	14.6	13.6	12.8	13.2	12.4
45°	16.8	21.0	24.6	22.6	19.8	17.4	16.1	13.4	15.0	16.0	16.7
42.5°	18.9	22.8	24.3	21.6	20.1	20.0	19.7	19.1	20.0	24.1	26.5
40°	20.4	24.4	24.3	23.8	22.0	25.2	28.3	30.8	31.0	36.4	40.7
37.5°	21.9	25.0	26.4	29.8	28.2	34.2	39.4	60.4	61.3	50.7	68.7
35°	23.2	26.3	34.8	44.2	48.0	46.7	76.3	103.9	110.6	99.5	118.1
32.5°	24.6	28.2	46.0	68.3	88.5	89.9	123.8	167.6	190.7	198.5	208.7
30°	27.3	38.7	63.5	98.6	147.2	186.9	203.1	250.2	292.8	378.0	437.6
27.5°	32.1	52.4	92.6	152.8	227.3	302.3	328.1	360.9	472.4	623.4	772.7
25°	38.0	81.3	125.8	224.6	338.5	421.8	454.5	498.6	709.4	1001.2	1172.7
22.5°	53.1	118.5	176.0	307.3	461.7	538.1	580.9	739.6	1062.0	1449.5	1623.3
20°	80.3	162.9	237.1	376.4	585.5	653.6	701.5	1031.8	1501.1	1869.2	2141.9
17.5°	111.8	207.3	297.8	449.1	639.1	741.5	841.8	1354.4	1961.2	2284.9	2606.0
15°	146.4	251.5	350.5	513.9	687.7	794.3	1057.4	1719.5	2377.2	2693.1	3013.4
12.5°	183.0	295.1	395.6	570.8	735.6	843.4	1253.4	1979.8	2599.5	3015.0	3399.4
10°	220.5	337.6	434.2	619.9	782.0	888.9	1436.7	2201.0	2717.4	3086.9	3522.4
7.5°	245.8	365.3	464.2	661.5	826.1	930.7	1602.7	2383.6	2797.4	3123.0	3510.0
5°	265.8	375.8	475.7	691.1	862.3	963.7	1733.5	2527.8	2845.9	3128.6	3445.1
2.5°	281.7	382.8	484.7	714.1	891.3	984.8	1776.9	2572.2	2855.6	3128.4	3414.0
0°	293.2	387.0	490.9	730.5	914.8	1002.0	1786.1	2582.0	2848.4	3121.5	3426.5
-2.5°	303.6	398.9	510.2	744.5	915.8	1003.9	1777.3	2570.5	2880.5	3197.1	3561.3
-5°	309.9	408.5	526.0	751.7	912.3	1002.7	1736.8	2524.7	2877.2	3198.4	3583.6
-7.5°	313.0	415.8	537.7	750.8	899.7	989.1	1629.5	2378.1	2764.1	3066.7	3470.5
-10°	314.0	424.7	545.4	734.9	876.2	966.3	1490.9	2204.1	2639.1	2922.5	3314.4
-12.5°	316.9	434.8	550.3	716.9	852.8	940.3	1334.2	2006.4	2503.6	2767.9	3136.1
-15°	316.7	442.7	552.7	698.4	831.1	911.3	1163.1	1788.2	2402.8	2738.5	3039.4
-17.5°	313.8	448.2	553.0	680.6	812.3	879.2	987.0	1595.5	2319.4	2726.5	3018.4
-20°	308.3	451.4	551.2	664.8	794.9	865.7	953.4	1408.8	2097.6	2683.5	3010.0



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	300.6	452.3	549.4	656.8	781.1	870.1	945.3	1204.2	1804.7	2612.2	2953.9
-25°	296.4	439.0	547.1	647.5	766.5	875.3	936.8	1015.5	1515.3	2253.7	2822.4
-27.5°	294.1	423.7	534.6	632.0	747.9	874.0	937.6	1004.2	1270.5	1844.3	2619.1
-30°	287.2	398.4	517.7	611.7	726.0	849.3	943.7	995.9	1070.7	1515.8	2148.1
-32.5°	272.9	371.9	489.9	589.7	697.3	820.5	937.3	995.7	1059.5	1191.6	1701.9
-35°	257.7	351.2	458.0	562.4	661.9	781.6	895.8	993.5	1048.7	1117.1	1345.2
-37.5°	245.6	327.7	425.3	528.9	627.1	734.7	849.8	957.7	1040.4	1109.3	1196.2
-40°	230.5	301.8	395.5	492.7	588.8	688.2	795.9	904.5	1008.8	1113.3	1192.5
-42.5°	212.3	281.6	364.4	455.6	547.8	643.4	739.5	844.3	965.9	1097.5	1199.2
-45°	190.7	258.0	331.9	416.4	503.0	594.9	687.8	782.5	910.7	1046.0	1173.5
-47.5°	166.3	231.0	301.4	374.1	455.8	541.5	632.1	731.1	843.6	972.8	1111.6
-50°	140.6	200.6	266.3	333.8	406.8	485.9	569.5	669.7	775.5	888.6	1014.0
-52.5°	116.4	167.3	228.0	292.5	358.6	429.5	507.9	597.4	696.7	802.0	907.4
-55°	90.1	136.0	186.7	247.0	310.3	374.2	442.7	522.2	608.4	704.5	798.9
-57.5°	69.9	103.4	147.1	197.5	256.5	318.4	379.1	443.7	519.2	601.1	680.7
-60°	52.8	75.9	108.2	150.8	198.2	253.8	312.1	370.9	431.7	492.6	560.4
-62.5°	37.4	55.2	76.6	104.8	145.3	186.7	235.4	289.6	346.9	399.2	449.2
-65°	32.8	38.0	52.6	72.5	93.3	127.6	164.5	202.3	249.7	296.5	344.2
-67.5°	27.9	32.7	37.4	44.9	62.9	80.8	98.6	130.8	163.7	193.6	225.4
-70°	25.3	27.6	31.6	35.8	39.9	47.4	62.9	78.3	93.3	111.1	136.4
-72.5°	23.0	25.0	27.2	29.6	33.2	36.8	40.3	43.7	52.6	64.9	76.4
-75°	20.8	22.4	24.1	26.1	28.1	30.3	32.7	35.7	38.5	41.3	44.1
-77.5°	18.6	20.0	21.3	22.6	24.0	25.7	27.4	29.3	31.0	32.6	34.2
-80°	16.5	17.5	18.7	19.8	20.7	21.7	22.7	23.8	24.7	25.6	26.7
-82.5°	14.8	15.5	16.2	17.0	17.6	18.1	18.5	19.2	20.1	20.9	21.7
-85°	13.1	13.4	13.7	14.1	14.8	15.4	16.0	16.5	16.9	17.3	17.8
-87.5°	11.6	11.7	11.9	12.0	12.5	13.0	13.6	14.1	14.3	14.5	14.7
-90°	3.0	2.6	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.4	13.4	13.4	13.4	13.4	13.8	14.3	14.7	15.1	15.1	15.1
87.5°	1.7	1.6	1.6	1.6	1.5	1.2	0.8	0.4	0.0	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	2.2	2.2	2.1	2.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	3.6	3.4	2.9	2.4	1.8	1.7	1.7	1.7	1.7	1.7	1.7
75°	4.8	4.7	4.6	4.2	3.5	3.3	3.3	3.3	3.1	3.2	3.2
72.5°	10.2	10.1	9.5	8.7	7.5	6.9	6.8	6.5	6.1	5.9	5.7
70°	18.6	17.9	16.9	15.0	12.5	10.8	9.8	8.6	7.2	6.6	6.6
67.5°	26.7	23.9	21.6	19.0	15.6	12.9	11.3	9.9	8.5	7.8	7.5
65°	30.8	24.6	20.5	17.3	14.9	12.6	10.8	9.3	7.9	7.1	6.9
62.5°	28.3	20.5	16.2	13.6	11.4	9.9	8.7	7.5	6.3	5.6	5.8
60°	23.1	15.8	12.2	10.7	9.5	8.5	7.4	6.4	5.5	5.1	5.6
57.5°	17.7	12.7	10.0	9.3	8.4	7.2	6.5	6.2	6.1	6.1	6.4
55°	13.2	11.2	10.1	8.9	7.9	7.1	6.8	7.0	6.9	6.7	6.7
52.5°	11.2	10.3	9.2	8.1	7.9	8.0	8.3	7.9	7.8	7.7	7.9
50°	11.0	10.1	9.2	8.4	8.7	8.7	8.5	8.8	9.2	9.4	9.6
47.5°	11.9	11.2	11.8	10.0	10.4	11.6	11.6	11.8	13.4	14.1	14.3
45°	15.6	19.1	19.1	17.6	16.9	24.4	25.0	20.9	34.1	32.7	23.0
42.5°	28.9	30.7	30.8	38.5	52.0	59.3	78.7	109.4	102.5	79.6	48.2
40°	47.8	45.5	55.4	71.2	86.9	105.5	132.1	184.4	175.6	140.5	154.5
37.5°	82.6	82.5	87.3	109.2	115.2	99.2	141.0	136.3	108.6	152.7	161.5
35°	150.9	166.1	141.0	174.8	179.3	165.0	173.0	191.2	165.4	197.9	211.9
32.5°	271.0	299.1	302.7	311.0	335.9	355.1	349.7	394.4	396.6	438.7	496.4
30°	433.3	491.3	551.5	560.8	591.9	642.4	667.8	757.7	852.9	915.3	1029.8
27.5°	761.5	775.8	896.9	992.2	954.3	1029.8	1219.0	1328.7	1510.7	1619.2	1734.4
25°	1223.1	1262.6	1433.1	1608.7	1632.1	1701.2	1976.0	2133.0	2320.5	2430.0	2667.8
22.5°	1808.8	1979.1	2166.8	2397.8	2492.6	2654.8	2922.0	3152.1	3542.8	4026.3	5068.1
20°	2461.3	2717.2	2969.6	3172.5	3367.9	3625.9	3951.0	5061.3	6376.9	10340.8	13075.7
17.5°	3019.7	3438.9	3680.0	3876.5	4121.7	4619.6	5910.1	9181.9	15491.3	24316.4	32394.5
15°	3453.9	3845.3	4233.1	4479.4	4862.6	5964.6	8590.5	16614.6	29688.6	44586.0	62613.3
12.5°	3798.1	4123.2	4448.8	4811.3	5519.6	7667.2	14347.7	26739.5	45751.5	69832.2	101791.4
10°	3984.1	4309.3	4623.6	5139.5	6450.6	10361.2	19723.7	36065.6	65904.8	103513.5	144243.2
7.5°	3982.8	4379.2	4767.9	5397.1	7399.5	13580.4	26056.5	48170.3	83464.9	130615.6	183051.3
5°	3980.6	4460.3	4867.5	5577.6	7993.0	15777.3	29987.3	54874.0	97763.3	150972.9	207118.7
2.5°	4019.2	4547.2	4931.8	5696.5	8268.0	16956.2	32167.8	60168.9	107759.7	162560.0	222556.2
0°	4110.1	4624.5	4969.6	5708.5	8235.2	17199.3	32421.5	61450.0	111606.9	169827.3	231393.7
-2.5°	4260.4	4613.4	4948.3	5660.3	8125.4	16697.6	31829.1	60332.5	107149.0	161740.5	221325.4
-5°	4169.9	4454.9	4751.2	5391.8	7586.5	14938.9	28671.0	53987.8	93974.2	142997.6	194040.3
-7.5°	3937.6	4226.5	4500.9	5053.4	6809.8	12328.0	23453.2	43369.7	74601.7	112780.9	152871.7
-10°	3725.9	3984.9	4243.3	4685.2	5818.5	9042.2	16782.8	30693.4	54467.8	83248.2	113885.9
-12.5°	3562.9	3780.5	3979.4	4275.6	4905.8	6706.4	12209.7	22534.1	36576.2	54899.3	77321.5
-15°	3419.4	3588.5	3734.9	4020.0	4488.4	5429.0	7608.0	13506.2	22255.9	33801.3	46044.6
-17.5°	3286.7	3448.9	3621.8	3839.0	4133.9	4585.4	5837.2	8318.1	13365.9	20907.8	28128.4
-20°	3218.8	3417.3	3565.9	3735.8	3986.1	4333.1	4773.0	6003.7	8084.2	12719.2	17414.2



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3165.2	3354.6	3524.1	3721.2	3978.3	4252.2	4489.6	4865.5	5847.0	7302.7	9726.4
-25°	3100.0	3286.6	3537.5	3824.4	4045.2	4252.3	4372.7	4451.1	4872.4	5288.4	6216.3
-27.5°	2976.2	3272.0	3640.3	3950.1	4187.7	4316.2	4413.2	4476.7	4729.3	4977.4	5247.4
-30°	2865.5	3319.0	3716.7	4076.9	4283.8	4440.8	4567.3	4681.7	4856.2	5066.4	5164.5
-32.5°	2472.8	3306.3	3748.6	4080.2	4292.8	4478.0	4673.0	4778.7	4932.4	5086.3	5210.4
-35°	1942.3	2789.3	3714.1	3904.0	4115.0	4356.5	4590.7	4741.1	4897.6	5056.1	5202.2
-37.5°	1455.0	2088.4	2838.4	3524.4	3807.5	4054.8	4342.2	4574.0	4778.8	4951.7	5118.1
-40°	1275.3	1447.1	1998.9	2543.7	3122.3	3653.4	3937.5	4247.8	4556.0	4769.5	4959.5
-42.5°	1273.3	1339.1	1395.5	1760.7	2205.8	2662.6	3145.8	3596.2	4097.7	4449.2	4715.9
-45°	1281.5	1332.7	1385.2	1438.1	1486.7	1822.7	2175.2	2532.5	3055.8	3575.4	4024.6
-47.5°	1220.5	1319.4	1382.3	1433.0	1481.0	1528.2	1574.3	1670.7	2005.2	2359.4	2683.1
-50°	1123.7	1225.6	1319.3	1413.2	1468.3	1514.9	1565.1	1620.1	1673.7	1728.1	1764.2
-52.5°	1005.2	1105.4	1202.8	1291.9	1372.2	1451.1	1529.9	1593.9	1651.1	1706.8	1734.6
-55°	891.6	981.9	1070.7	1149.1	1227.3	1305.1	1383.6	1461.6	1539.1	1615.1	1654.1
-57.5°	765.7	853.4	936.9	1002.9	1069.4	1135.7	1206.9	1280.2	1350.9	1415.6	1449.7
-60°	632.1	707.2	778.8	842.9	905.1	965.0	1025.4	1086.5	1146.3	1199.0	1229.9
-62.5°	499.2	557.2	616.8	672.7	725.8	776.9	831.9	884.6	934.3	976.2	1005.4
-65°	390.8	434.2	472.3	511.0	550.3	595.2	640.6	683.6	723.8	757.0	782.0
-67.5°	265.4	305.2	340.2	373.1	403.2	433.8	466.4	497.7	527.3	551.8	571.1
-70°	160.5	182.9	202.8	225.0	251.3	277.1	302.9	326.7	348.3	366.1	380.2
-72.5°	87.2	96.7	106.9	122.8	137.5	152.1	166.6	179.8	191.9	202.5	211.8
-75°	46.9	51.0	58.4	65.0	70.8	76.8	82.5	87.8	92.5	96.5	99.7
-77.5°	36.2	38.2	40.0	41.6	43.0	44.3	45.6	46.8	47.9	49.0	50.0
-80°	27.8	29.2	30.5	31.8	33.0	33.9	34.6	35.2	35.7	36.4	37.1
-82.5°	22.4	22.9	23.6	24.2	24.9	25.6	26.3	26.9	27.6	27.9	28.1
-85°	18.3	18.5	18.8	19.0	19.2	19.4	19.6	19.8	19.9	19.9	20.0
-87.5°	14.8	14.8	14.9	14.9	14.9	15.4	15.8	16.3	16.7	16.8	16.8
-90°	1.7	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	14.7
87.5°	0.0	0.0	0.8	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.4
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.2	3.1	3.3
72.5°	5.4	5.0	5.0	5.0	5.0	5.0	5.4	5.7	5.9	6.1	6.5
70°	6.6	6.6	6.7	6.7	6.7	6.6	6.6	6.6	6.6	7.2	8.6
67.5°	7.2	6.8	5.9	5.0	5.9	6.8	7.2	7.5	7.8	8.5	9.9
65°	6.8	6.7	5.9	5.0	5.9	6.7	6.8	6.9	7.1	7.9	9.3
62.5°	6.2	6.6	6.0	5.0	6.0	6.6	6.2	5.8	5.6	6.3	7.5
60°	6.1	6.6	6.7	6.7	6.7	6.6	6.1	5.6	5.1	5.5	6.4
57.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.4	6.1	6.1	6.2
55°	6.7	6.7	7.4	8.4	7.4	6.7	6.7	6.7	6.7	6.9	7.0
52.5°	8.1	8.3	8.4	8.4	8.4	8.3	8.1	7.9	7.7	7.8	7.9
50°	9.8	10.0	10.1	10.1	10.1	10.0	9.8	9.6	9.4	9.2	8.8
47.5°	14.2	13.7	13.3	13.4	13.3	13.7	14.2	14.3	14.1	13.4	11.8
45°	23.4	23.3	23.3	23.5	23.3	23.3	23.4	23.0	32.7	34.1	20.9
42.5°	46.9	42.2	38.6	40.2	38.6	42.2	46.9	48.2	79.6	102.5	109.4
40°	137.9	94.7	54.9	55.3	54.9	94.7	137.9	154.5	140.5	175.6	184.4
37.5°	128.8	103.9	93.8	92.2	93.8	103.9	128.8	161.5	152.7	108.6	136.3
35°	212.6	211.3	202.0	201.1	202.0	211.3	212.6	211.9	197.9	165.4	191.2
32.5°	518.7	540.0	533.1	524.4	533.1	540.0	518.7	496.4	438.7	396.6	394.4
30°	1084.2	1131.4	1121.8	1147.7	1121.8	1131.4	1084.2	1029.8	915.3	852.9	757.7
27.5°	1798.2	1829.1	1797.2	1787.8	1797.2	1829.1	1798.2	1734.4	1619.2	1510.7	1328.7
25°	2830.2	2890.1	2917.7	2974.1	2917.7	2890.1	2830.2	2667.8	2430.0	2320.5	2133.0
22.5°	6363.4	6734.2	6543.7	6373.7	6543.7	6734.2	6363.4	5068.1	4026.3	3542.8	3152.1
20°	18674.7	21973.0	21730.0	21296.0	21730.0	21973.0	18674.7	13075.7	10340.8	6376.9	5061.3
17.5°	45030.3	55163.2	61473.7	64794.3	61473.7	55163.2	45030.3	32394.5	24316.4	15491.3	9181.9
15°	84007.6	101051.3	111058.4	116734.0	111058.4	101051.3	84007.6	62613.3	44586.0	29688.6	16614.6
12.5°	132516.3	159229.8	176951.8	180339.6	176951.8	159229.8	132516.3	101791.4	69832.2	45751.5	26739.5
10°	185930.9	220144.8	248361.8	258652.9	248361.8	220144.8	185930.9	144243.2	103513.5	65904.8	36065.6
7.5°	231548.7	275209.6	312677.8	326004.1	312677.8	275209.6	231548.7	183051.3	130615.6	83464.9	48170.3
5°	264720.1	322638.0	356552.9	365704.0	356552.9	322638.0	264720.1	207118.7	150972.9	97763.3	54874.0
2.5°	291721.7	346700.2	383061.6	401809.2	383061.6	346700.2	291721.7	222556.2	162560.0	107759.7	60168.9
0°	303593.9	356428.3	395644.0	423149.5	395644.0	356428.3	303593.9	231393.7	169827.3	111606.9	61450.0
-2.5°	289003.9	343034.6	370930.6	382986.3	370930.6	343034.6	289003.9	221325.4	161740.5	107149.0	60332.5
-5°	245713.8	296647.3	324685.0	333592.5	324685.0	296647.3	245713.8	194040.3	142997.6	93974.2	53987.8
-7.5°	191667.0	226953.8	251143.8	259574.5	251143.8	226953.8	191667.0	152871.7	112780.9	74601.7	43369.7
-10°	144321.1	169627.7	182590.8	186972.1	182590.8	169627.7	144321.1	113885.9	83248.2	54467.8	30693.4
-12.5°	99098.7	118149.6	126529.0	132034.1	126529.0	118149.6	99098.7	77321.5	54899.3	36576.2	22534.1
-15°	60958.3	73378.1	79976.2	83742.9	79976.2	73378.1	60958.3	46044.6	33801.3	22255.9	13506.2
-17.5°	37035.3	43786.5	48159.1	50140.2	48159.1	43786.5	37035.3	28128.4	20907.8	13365.9	8318.1
-20°	22992.5	27487.5	30040.6	31504.9	30040.6	27487.5	22992.5	17414.2	12719.2	8084.2	6003.7



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12916.5	15382.9	16765.8	17247.9	16765.8	15382.9	12916.5	9726.4	7302.7	5847.0	4865.5
-25°	7182.7	7810.5	8085.2	8149.8	8085.2	7810.5	7182.7	6216.3	5288.4	4872.4	4451.1
-27.5°	5481.4	5615.2	5700.1	5725.3	5700.1	5615.2	5481.4	5247.4	4977.4	4729.3	4476.7
-30°	5257.9	5271.9	5295.2	5291.3	5295.2	5271.9	5257.9	5164.5	5066.4	4856.2	4681.7
-32.5°	5297.8	5303.0	5307.6	5299.7	5307.6	5303.0	5297.8	5210.4	5086.3	4932.4	4778.7
-35°	5282.0	5297.1	5309.0	5314.8	5309.0	5297.1	5282.0	5202.2	5056.1	4897.6	4741.1
-37.5°	5184.3	5205.2	5215.4	5205.9	5215.4	5205.2	5184.3	5118.1	4951.7	4778.8	4574.0
-40°	5005.1	5020.2	5021.2	5013.2	5021.2	5020.2	5005.1	4959.5	4769.5	4556.0	4247.8
-42.5°	4797.1	4850.0	4875.0	4875.8	4875.0	4850.0	4797.1	4715.9	4449.2	4097.7	3596.2
-45°	4309.3	4530.1	4661.2	4693.2	4661.2	4530.1	4309.3	4024.6	3575.4	3055.8	2532.5
-47.5°	2941.7	3161.2	3303.9	3357.8	3303.9	3161.2	2941.7	2683.1	2359.4	2005.2	1670.7
-50°	1790.6	1817.2	1828.9	1826.3	1828.9	1817.2	1790.6	1764.2	1728.1	1673.7	1620.1
-52.5°	1755.9	1776.9	1789.9	1796.2	1789.9	1776.9	1755.9	1734.6	1706.8	1651.1	1593.9
-55°	1686.0	1712.3	1725.9	1729.1	1725.9	1712.3	1686.0	1654.1	1615.1	1539.1	1461.6
-57.5°	1478.4	1501.4	1514.5	1519.7	1514.5	1501.4	1478.4	1449.7	1415.6	1350.9	1280.2
-60°	1254.9	1274.1	1282.5	1283.5	1282.5	1274.1	1254.9	1229.9	1199.0	1146.3	1086.5
-62.5°	1029.6	1048.7	1055.0	1053.9	1055.0	1048.7	1029.6	1005.4	976.2	934.3	884.6
-65°	802.8	819.4	822.6	819.3	822.6	819.4	802.8	782.0	757.0	723.8	683.6
-67.5°	587.3	600.3	604.1	603.2	604.1	600.3	587.3	571.1	551.8	527.3	497.7
-70°	391.4	399.8	399.4	395.4	399.4	399.8	391.4	380.2	366.1	348.3	326.7
-72.5°	219.6	225.9	231.1	234.6	231.1	225.9	219.6	211.8	202.5	191.9	179.8
-75°	102.3	104.3	106.9	108.9	106.9	104.3	102.3	99.7	96.5	92.5	87.8
-77.5°	50.9	51.6	52.7	53.6	52.7	51.6	50.9	50.0	49.0	47.9	46.8
-80°	37.8	38.3	38.5	38.5	38.5	38.3	37.8	37.1	36.4	35.7	35.2
-82.5°	28.3	28.4	28.5	28.5	28.5	28.4	28.3	28.1	27.9	27.6	26.9
-85°	20.0	20.1	20.9	21.8	20.9	20.1	20.0	20.0	19.9	19.9	19.8
-87.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.7	16.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.3	13.8	13.4	13.4	13.4	13.4	13.4	13.0	12.6	12.1	11.7
87.5°	0.8	1.2	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
85°	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9	2.0	2.0	1.9
80°	1.7	1.7	1.7	2.0	2.1	2.2	2.2	2.5	2.7	3.0	3.1
77.5°	1.7	1.7	1.8	2.4	2.9	3.4	3.6	3.8	4.0	4.2	4.2
75°	3.3	3.3	3.5	4.2	4.6	4.7	4.8	4.7	4.7	4.9	5.0
72.5°	6.8	6.9	7.5	8.7	9.5	10.1	10.2	9.5	8.3	6.4	5.0
70°	9.8	10.8	12.5	15.0	16.9	17.9	18.6	18.1	16.4	14.6	11.2
67.5°	11.3	12.9	15.6	19.0	21.6	23.9	26.7	29.3	29.6	27.7	20.0
65°	10.8	12.6	14.9	17.3	20.5	24.6	30.8	34.7	37.1	38.1	31.4
62.5°	8.7	9.9	11.4	13.6	16.2	20.5	28.3	35.0	40.6	41.8	35.3
60°	7.4	8.5	9.5	10.7	12.2	15.8	23.1	31.6	41.4	40.4	36.1
57.5°	6.5	7.2	8.4	9.3	10.0	12.7	17.7	24.7	33.7	34.6	33.2
55°	6.8	7.1	7.9	8.9	10.1	11.2	13.2	17.5	23.9	25.8	26.3
52.5°	8.3	8.0	7.9	8.1	9.2	10.3	11.2	13.6	15.7	18.5	20.0
50°	8.5	8.7	8.7	8.4	9.2	10.1	11.0	11.7	12.9	14.3	15.3
47.5°	11.6	11.6	10.4	10.0	11.8	11.2	11.9	12.4	13.2	12.8	13.6
45°	25.0	24.4	16.9	17.6	19.1	19.1	15.6	16.7	16.0	15.0	13.4
42.5°	78.7	59.3	52.0	38.5	30.8	30.7	28.9	26.5	24.1	20.0	19.1
40°	132.1	105.5	86.9	71.2	55.4	45.5	47.8	40.7	36.4	31.0	30.8
37.5°	141.0	99.2	115.2	109.2	87.3	82.5	82.6	68.7	50.7	61.3	60.4
35°	173.0	165.0	179.3	174.8	141.0	166.1	150.9	118.1	99.5	110.6	103.9
32.5°	349.7	355.1	335.9	311.0	302.7	299.1	271.0	208.7	198.5	190.7	167.6
30°	667.8	642.4	591.9	560.8	551.5	491.3	433.3	437.6	378.0	292.8	250.2
27.5°	1219.0	1029.8	954.3	992.2	896.9	775.8	761.5	772.7	623.4	472.4	360.9
25°	1976.0	1701.2	1632.1	1608.7	1433.1	1262.6	1223.1	1172.7	1001.2	709.4	498.6
22.5°	2922.0	2654.8	2492.6	2397.8	2166.8	1979.1	1808.8	1623.3	1449.5	1062.0	739.6
20°	3951.0	3625.9	3367.9	3172.5	2969.6	2717.2	2461.3	2141.9	1869.2	1501.1	1031.8
17.5°	5910.1	4619.6	4121.7	3876.5	3680.0	3438.9	3019.7	2606.0	2284.9	1961.2	1354.4
15°	8590.5	5964.6	4862.6	4479.4	4233.1	3845.3	3453.9	3013.4	2693.1	2377.2	1719.5
12.5°	14347.7	7667.2	5519.6	4811.3	4448.8	4123.2	3798.1	3399.4	3015.0	2599.5	1979.8
10°	19723.7	10361.2	6450.6	5139.5	4623.6	4309.3	3984.1	3522.4	3086.9	2717.4	2201.0
7.5°	26056.5	13580.4	7399.5	5397.1	4767.9	4379.2	3982.8	3510.0	3123.0	2797.4	2383.6
5°	29987.3	15777.3	7993.0	5577.6	4867.5	4460.3	3980.6	3445.1	3128.6	2845.9	2527.8
2.5°	32167.8	16956.2	8268.0	5696.5	4931.8	4547.2	4019.2	3414.0	3128.4	2855.6	2572.2
0°	32421.5	17199.3	8235.2	5708.5	4969.6	4624.5	4110.1	3426.5	3121.5	2848.4	2582.0
-2.5°	31829.1	16697.6	8125.4	5660.3	4948.3	4613.4	4260.4	3561.3	3197.1	2880.5	2570.5
-5°	28671.0	14938.9	7586.5	5391.8	4751.2	4454.9	4169.9	3583.6	3198.4	2877.2	2524.7
-7.5°	23453.2	12328.0	6809.8	5053.4	4500.9	4226.5	3937.6	3470.5	3066.7	2764.1	2378.1
-10°	16782.8	9042.2	5818.5	4685.2	4243.3	3984.9	3725.9	3314.4	2922.5	2639.1	2204.1
-12.5°	12209.7	6706.4	4905.8	4275.6	3979.4	3780.5	3562.9	3136.1	2767.9	2503.6	2006.4
-15°	7608.0	5429.0	4488.4	4020.0	3734.9	3588.5	3419.4	3039.4	2738.5	2402.8	1788.2
-17.5°	5837.2	4585.4	4133.9	3839.0	3621.8	3448.9	3286.7	3018.4	2726.5	2319.4	1595.5
-20°	4773.0	4333.1	3986.1	3735.8	3565.9	3417.3	3218.8	3010.0	2683.5	2097.6	1408.8



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4489.6	4252.2	3978.3	3721.2	3524.1	3354.6	3165.2	2953.9	2612.2	1804.7	1204.2
-25°	4372.7	4252.3	4045.2	3824.4	3537.5	3286.6	3100.0	2822.4	2253.7	1515.3	1015.5
-27.5°	4413.2	4316.2	4187.7	3950.1	3640.3	3272.0	2976.2	2619.1	1844.3	1270.5	1004.2
-30°	4567.3	4440.8	4283.8	4076.9	3716.7	3319.0	2865.5	2148.1	1515.8	1070.7	995.9
-32.5°	4673.0	4478.0	4292.8	4080.2	3748.6	3306.3	2472.8	1701.9	1191.6	1059.5	995.7
-35°	4590.7	4356.5	4115.0	3904.0	3714.1	2789.3	1942.3	1345.2	1117.1	1048.7	993.5
-37.5°	4342.2	4054.8	3807.5	3524.4	2838.4	2088.4	1455.0	1196.2	1109.3	1040.4	957.7
-40°	3937.5	3653.4	3122.3	2543.7	1998.9	1447.1	1275.3	1192.5	1113.3	1008.8	904.5
-42.5°	3145.8	2662.6	2205.8	1760.7	1395.5	1339.1	1273.3	1199.2	1097.5	965.9	844.3
-45°	2175.2	1822.7	1486.7	1438.1	1385.2	1332.7	1281.5	1173.5	1046.0	910.7	782.5
-47.5°	1574.3	1528.2	1481.0	1433.0	1382.3	1319.4	1220.5	1111.6	972.8	843.6	731.1
-50°	1565.1	1514.9	1468.3	1413.2	1319.3	1225.6	1123.7	1014.0	888.6	775.5	669.7
-52.5°	1529.9	1451.1	1372.2	1291.9	1202.8	1105.4	1005.2	907.4	802.0	696.7	597.4
-55°	1383.6	1305.1	1227.3	1149.1	1070.7	981.9	891.6	798.9	704.5	608.4	522.2
-57.5°	1206.9	1135.7	1069.4	1002.9	936.9	853.4	765.7	680.7	601.1	519.2	443.7
-60°	1025.4	965.0	905.1	842.9	778.8	707.2	632.1	560.4	492.6	431.7	370.9
-62.5°	831.9	776.9	725.8	672.7	616.8	557.2	499.2	449.2	399.2	346.9	289.6
-65°	640.6	595.2	550.3	511.0	472.3	434.2	390.8	344.2	296.5	249.7	202.3
-67.5°	466.4	433.8	403.2	373.1	340.2	305.2	265.4	225.4	193.6	163.7	130.8
-70°	302.9	277.1	251.3	225.0	202.8	182.9	160.5	136.4	111.1	93.3	78.3
-72.5°	166.6	152.1	137.5	122.8	106.9	96.7	87.2	76.4	64.9	52.6	43.7
-75°	82.5	76.8	70.8	65.0	58.4	51.0	46.9	44.1	41.3	38.5	35.7
-77.5°	45.6	44.3	43.0	41.6	40.0	38.2	36.2	34.2	32.6	31.0	29.3
-80°	34.6	33.9	33.0	31.8	30.5	29.2	27.8	26.7	25.6	24.7	23.8
-82.5°	26.3	25.6	24.9	24.2	23.6	22.9	22.4	21.7	20.9	20.1	19.2
-85°	19.6	19.4	19.2	19.0	18.8	18.5	18.3	17.8	17.3	16.9	16.5
-87.5°	15.8	15.4	14.9	14.9	14.9	14.8	14.8	14.7	14.5	14.3	14.1
-90°	0.0	0.0	0.0	0.4	0.9	1.3	1.7	1.7	1.7	1.7	1.7



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.3	10.9	10.5	10.1	10.1	10.1	10.1	10.1	9.7	9.3	8.8
87.5°	2.0	2.2	2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.7	3.8
85°	2.1	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.1
82.5°	2.2	2.6	3.0	3.4	3.7	3.8	3.9	3.8	4.0	4.2	4.5
80°	3.0	3.1	3.2	3.5	3.9	4.3	4.5	4.5	4.5	4.5	4.7
77.5°	4.0	3.7	3.4	3.5	3.9	4.3	4.7	5.0	4.9	4.8	4.8
75°	5.0	4.7	4.4	4.2	4.2	4.3	4.7	5.0	5.0	5.0	4.9
72.5°	5.0	5.0	5.0	5.0	4.7	4.7	4.8	5.0	5.0	5.0	5.0
70°	7.8	5.5	5.0	5.0	5.0	5.0	4.9	5.1	5.0	5.0	5.0
67.5°	12.8	9.0	6.4	5.2	5.0	5.0	5.0	5.2	5.3	5.0	5.0
65°	22.3	14.4	8.2	6.8	5.6	5.0	5.0	5.4	5.5	5.4	5.0
62.5°	28.8	21.7	14.3	9.3	6.8	5.7	5.0	5.4	5.8	5.8	5.3
60°	31.9	25.1	19.8	14.3	9.4	6.6	5.7	5.5	5.9	6.2	5.8
57.5°	29.5	26.9	23.0	18.3	13.2	8.5	6.5	6.0	6.0	6.3	6.2
55°	25.1	23.5	24.5	21.2	16.3	11.3	7.9	6.7	6.2	6.4	6.7
52.5°	19.8	21.2	23.4	23.0	18.9	13.9	10.2	7.4	6.8	6.5	6.9
50°	15.9	19.0	22.4	23.4	21.1	16.5	12.3	9.1	7.4	6.7	6.9
47.5°	14.6	17.8	20.7	23.9	22.7	19.1	14.5	10.7	8.1	7.3	7.0
45°	16.1	17.4	19.8	22.6	24.6	21.0	16.8	12.1	9.2	7.9	7.1
42.5°	19.7	20.0	20.1	21.6	24.3	22.8	18.9	13.9	10.2	8.5	7.5
40°	28.3	25.2	22.0	23.8	24.3	24.4	20.4	15.7	11.1	9.3	8.0
37.5°	39.4	34.2	28.2	29.8	26.4	25.0	21.9	17.4	12.5	10.2	8.6
35°	76.3	46.7	48.0	44.2	34.8	26.3	23.2	18.9	14.5	11.2	9.2
32.5°	123.8	89.9	88.5	68.3	46.0	28.2	24.6	21.0	16.5	12.1	9.9
30°	203.1	186.9	147.2	98.6	63.5	38.7	27.3	23.2	18.6	12.9	10.5
27.5°	328.1	302.3	227.3	152.8	92.6	52.4	32.1	25.6	20.7	14.1	11.2
25°	454.5	421.8	338.5	224.6	125.8	81.3	38.0	28.1	22.7	15.8	11.9
22.5°	580.9	538.1	461.7	307.3	176.0	118.5	53.1	32.7	24.7	17.4	12.6
20°	701.5	653.6	585.5	376.4	237.1	162.9	80.3	37.9	26.7	19.0	13.2
17.5°	841.8	741.5	639.1	449.1	297.8	207.3	111.8	43.5	28.8	20.6	13.8
15°	1057.4	794.3	687.7	513.9	350.5	251.5	146.4	49.4	30.8	22.0	14.4
12.5°	1253.4	843.4	735.6	570.8	395.6	295.1	183.0	55.5	32.8	23.3	14.9
10°	1436.7	888.9	782.0	619.9	434.2	337.6	220.5	61.7	35.3	24.3	15.4
7.5°	1602.7	930.7	826.1	661.5	464.2	365.3	245.8	67.9	37.9	25.2	15.8
5°	1733.5	963.7	862.3	691.1	475.7	375.8	265.8	73.8	40.5	25.9	16.2
2.5°	1776.9	984.8	891.3	714.1	484.7	382.8	281.7	79.1	43.0	26.4	16.5
0°	1786.1	1002.0	914.8	730.5	490.9	387.0	293.2	83.8	45.2	26.8	16.8
-2.5°	1777.3	1003.9	915.8	744.5	510.2	398.9	303.6	104.5	59.6	34.9	20.7
-5°	1736.8	1002.7	912.3	751.7	526.0	408.5	309.9	124.0	73.3	42.7	24.5
-7.5°	1629.5	989.1	899.7	750.8	537.7	415.8	313.0	142.0	86.0	49.9	28.0
-10°	1490.9	966.3	876.2	734.9	545.4	424.7	314.0	158.3	97.5	56.4	31.1
-12.5°	1334.2	940.3	852.8	716.9	550.3	434.8	316.9	172.2	107.4	62.0	33.8
-15°	1163.1	911.3	831.1	698.4	552.7	442.7	316.7	183.5	115.8	67.4	35.9
-17.5°	987.0	879.2	812.3	680.6	553.0	448.2	313.8	192.0	122.8	72.8	38.4
-20°	953.4	865.7	794.9	664.8	551.2	451.4	308.3	197.5	128.3	76.9	40.9



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	945.3	870.1	781.1	656.8	549.4	452.3	300.6	199.9	132.2	79.5	42.3
-25°	936.8	875.3	766.5	647.5	547.1	439.0	296.4	198.8	134.5	80.6	42.7
-27.5°	937.6	874.0	747.9	632.0	534.6	423.7	294.1	200.3	135.2	79.9	42.0
-30°	943.7	849.3	726.0	611.7	517.7	398.4	287.2	199.8	134.2	78.7	40.0
-32.5°	937.3	820.5	697.3	589.7	489.9	371.9	272.9	197.1	130.9	76.4	38.8
-35°	895.8	781.6	661.9	562.4	458.0	351.2	257.7	192.2	125.1	72.3	37.3
-37.5°	849.8	734.7	627.1	528.9	425.3	327.7	245.6	180.3	116.9	66.4	35.0
-40°	795.9	688.2	588.8	492.7	395.5	301.8	230.5	165.7	108.0	58.7	31.8
-42.5°	739.5	643.4	547.8	455.6	364.4	281.6	212.3	148.6	95.7	52.6	27.7
-45°	687.8	594.9	503.0	416.4	331.9	258.0	190.7	129.8	81.6	46.9	24.6
-47.5°	632.1	541.5	455.8	374.1	301.4	231.0	166.3	112.0	66.1	40.1	23.6
-50°	569.5	485.9	406.8	333.8	266.3	200.6	140.6	92.4	56.6	31.8	22.4
-52.5°	507.9	429.5	358.6	292.5	228.0	167.3	116.4	72.1	46.2	27.9	21.0
-55°	442.7	374.2	310.3	247.0	186.7	136.0	90.1	59.1	35.0	25.9	19.6
-57.5°	379.1	318.4	256.5	197.5	147.1	103.4	69.9	45.2	30.3	23.6	19.1
-60°	312.1	253.8	198.2	150.8	108.2	75.9	52.8	34.2	27.4	21.5	18.5
-62.5°	235.4	186.7	145.3	104.8	76.6	55.2	37.4	30.6	24.3	20.7	17.8
-65°	164.5	127.6	93.3	72.5	52.6	38.0	32.8	26.7	22.7	19.7	17.0
-67.5°	98.6	80.8	62.9	44.9	37.4	32.7	27.9	24.4	21.4	18.6	16.1
-70°	62.9	47.4	39.9	35.8	31.6	27.6	25.3	22.7	20.0	17.5	15.2
-72.5°	40.3	36.8	33.2	29.6	27.2	25.0	23.0	20.9	18.5	16.3	14.3
-75°	32.7	30.3	28.1	26.1	24.1	22.4	20.8	19.0	16.9	15.0	13.3
-77.5°	27.4	25.7	24.0	22.6	21.3	20.0	18.6	17.1	15.5	13.9	12.4
-80°	22.7	21.7	20.7	19.8	18.7	17.5	16.5	15.6	14.2	12.9	11.5
-82.5°	18.5	18.1	17.6	17.0	16.2	15.5	14.8	14.2	13.0	11.8	10.7
-85°	16.0	15.4	14.8	14.1	13.7	13.4	13.1	12.9	11.9	10.9	10.1
-87.5°	13.6	13.0	12.5	12.0	11.9	11.7	11.6	11.5	10.8	10.1	9.5
-90°	1.7	1.7	1.7	1.7	2.1	2.6	3.0	3.4	3.4	3.4	3.4



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.4	8.0	7.6	7.1	6.7	5.9	5.0
87.5°	3.8	4.1	4.3	4.7	5.0	5.0	5.0
85°	4.2	4.3	4.5	4.7	5.0	5.1	5.0
82.5°	4.6	4.6	4.6	4.8	5.0	5.1	5.0
80°	5.0	4.8	4.8	4.8	5.0	5.1	5.0
77.5°	5.0	5.0	4.9	4.9	5.0	5.2	5.0
75°	5.0	5.1	5.0	4.9	5.0	5.2	5.0
72.5°	5.1	5.3	5.2	5.0	5.0	5.3	5.0
70°	5.1	5.4	5.3	5.0	5.1	5.3	5.0
67.5°	5.2	5.5	5.5	5.2	5.1	5.3	5.0
65°	5.2	5.6	5.7	5.4	5.1	5.4	5.0
62.5°	5.3	5.7	5.9	5.5	5.2	5.4	5.0
60°	5.3	5.7	6.1	5.7	5.2	5.5	5.0
57.5°	5.7	5.7	6.1	5.9	5.4	5.5	5.0
55°	6.2	5.8	6.2	6.1	5.5	5.6	5.0
52.5°	6.6	5.9	6.2	6.3	5.6	5.6	5.0
50°	7.0	6.2	6.2	6.5	5.8	5.7	5.0
47.5°	7.4	6.6	6.3	6.6	5.9	5.7	5.0
45°	7.4	6.9	6.3	6.6	6.0	5.8	5.0
42.5°	7.5	7.2	6.4	6.7	6.1	5.8	5.0
40°	7.6	7.6	6.5	6.7	6.2	5.9	5.0
37.5°	7.7	7.9	6.8	6.8	6.3	5.9	5.0
35°	7.8	8.0	7.0	6.8	6.3	6.0	5.0
32.5°	8.0	8.1	7.3	6.9	6.4	6.0	5.0
30°	8.5	8.2	7.5	7.0	6.5	6.1	5.0
27.5°	9.0	8.3	7.7	7.0	6.5	6.2	5.0
25°	9.5	8.3	7.9	7.1	6.6	6.2	5.0
22.5°	9.9	8.4	8.0	7.3	6.6	6.3	5.0
20°	10.4	8.6	8.1	7.4	6.6	6.3	5.0
17.5°	10.9	8.7	8.2	7.5	6.7	6.4	5.0
15°	11.4	8.9	8.3	7.6	6.7	6.4	5.0
12.5°	11.8	9.1	8.3	7.8	6.7	6.5	5.0
10°	12.2	9.3	8.4	7.9	6.7	6.5	5.0
7.5°	12.5	9.5	8.4	8.0	6.7	6.6	5.0
5°	12.9	9.7	8.4	8.2	6.7	6.6	5.0
2.5°	13.2	9.9	8.4	8.3	6.7	6.7	5.0
0°	13.4	10.1	8.4	8.4	6.7	6.7	5.0
-2.5°	14.7	10.6	8.7	8.5	6.8	6.7	5.0
-5°	16.0	11.2	9.0	8.6	6.8	6.8	5.0
-7.5°	17.2	11.7	9.3	8.7	6.9	6.8	5.0
-10°	18.2	12.1	9.5	8.8	7.0	6.8	5.0
-12.5°	19.1	12.5	9.8	8.8	7.1	6.8	5.0
-15°	19.9	12.9	10.0	8.9	7.1	6.9	5.0
-17.5°	20.4	13.2	10.2	8.9	7.2	6.9	5.0
-20°	21.1	13.5	10.4	9.0	7.3	6.9	5.0



REPORT NUMBER: P731550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21.9	13.7	10.6	9.0	7.4	6.9	5.0
-25°	22.2	13.9	10.7	9.0	7.4	6.9	5.0
-27.5°	22.0	14.0	10.8	9.0	7.5	6.9	5.0
-30°	21.3	14.1	10.9	9.0	7.6	6.9	5.0
-32.5°	20.1	14.1	11.0	9.0	7.6	6.9	5.0
-35°	19.6	14.0	11.1	8.9	7.7	6.9	5.0
-37.5°	19.4	13.9	11.2	8.9	7.7	6.9	5.0
-40°	19.0	13.9	11.2	8.8	7.8	6.8	5.0
-42.5°	18.5	13.9	11.2	8.8	7.9	6.8	5.0
-45°	17.9	13.9	11.1	8.8	7.9	6.8	5.0
-47.5°	17.1	13.8	11.1	8.7	8.0	6.8	5.0
-50°	16.8	13.7	11.0	8.8	8.0	6.7	5.0
-52.5°	16.5	13.5	10.8	8.8	8.0	6.7	5.0
-55°	16.2	13.3	10.7	8.9	8.1	6.7	5.0
-57.5°	15.9	13.0	10.5	8.9	8.1	6.6	5.0
-60°	15.4	12.6	10.2	8.9	8.2	6.6	5.0
-62.5°	14.9	12.3	10.1	8.9	8.1	6.5	5.0
-65°	14.3	11.9	10.0	8.9	8.0	6.5	5.0
-67.5°	13.7	11.5	9.9	8.8	7.9	6.4	5.0
-70°	13.1	11.1	9.7	8.8	7.8	6.4	5.0
-72.5°	12.4	10.7	9.5	8.6	7.6	6.3	5.0
-75°	11.7	10.3	9.2	8.4	7.5	6.3	5.0
-77.5°	10.9	9.8	9.0	8.2	7.4	6.2	5.0
-80°	10.2	9.4	8.7	8.0	7.3	6.1	5.0
-82.5°	9.7	9.1	8.4	7.8	7.1	6.1	5.0
-85°	9.3	8.7	8.1	7.6	7.0	6.0	5.0
-87.5°	8.8	8.3	7.8	7.3	6.8	5.9	5.0
-90°	3.4	3.8	4.2	4.6	5.0	5.0	5.0

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

